

WHAT IS CLAIMED IS:

1 1. An ink bag for storing ink therein;
2 a flexible bag body which is deformable in accordance with
3 consumption of the ink;
4 an ink supply port from which the ink stored therein is supplied; and
5 a non-contact type memory IC provided on the bag body.

1 2. The ink bag as set forth in claim 1, wherein the bag body includes a
2 first part having a first flexibility and a second part having a second flexibility
3 which is lower than the first flexibility.

1 3. The ink bag as set forth in claim 2, wherein the memory IC is provided
2 in the second part of the bag body.

1 4. The ink bag as set forth in claim 3, the second part is an outer
2 peripheral portion of the bag body.

1 5. The ink bag as set forth in claim 4, wherein the outer peripheral
2 portion of the bag body is formed by heat-welding outer peripheral portions of
3 flexible sheet members.

1 6. The ink bag as set forth in claim 2, wherein the memory IC is provided
2 in the first part of the bag body.

clear language

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go connect before bag and ink supply port

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1 7. The ink bag as set forth in claim 6, wherein the first part includes at
2 least a center portion of the bag body.

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1 8. The ink bag as set forth in claim 1, wherein the memory IC stores
2 data indicating an amount of ink remained therein.

1 9. The ink bag as set forth in claim 1, wherein the memory IC is placed
2 in the vicinity of the ink supply port.

10. A recording apparatus, comprising:
2 a flexible ink bag for storing ink consumed by the recording apparatus
3 therein, on which a non-contact type memory IC is provided, the ink bag being
4 deformable in accordance with the consumption of ink, and detachably
5 provided in the recording apparatus; and
6 a data communicator, which opposes to the memory IC to perform
7 non-contact data communication therewith.

1 11. The recording apparatus as set forth in claim 10, wherein the ink bag
2 is mounted such that the memory IC is directed downward.

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1 12. The recording apparatus as set forth in claim 10, wherein the memory
2 IC stores data indicating an amount of ink remained therein.

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1 13. The recording apparatus as set forth in claim 10, further comprising:
2 a cartridge casing, which houses the ink bag therein; and

3 a chamber section, which houses the cartridge casing therein.

1 14. The recording apparatus as set forth in claim 13, wherein the
2 cartridge casing is formed with an aperture through which the data
3 communication between the memory IC and the data communicator is
4 conducted.

1 15. The recording apparatus as set forth in claim 13, wherein:
2 the cartridge casing is formed with an outlet to which an ink supply
3 port of the ink bag is secured; and
4 the memory IC is placed in the vicinity of the ink supply port.

1 16. The recording apparatus as set forth in claim 10, wherein a consumed
2 amount of ink is judged in accordance with information indicated by the
3 memory IC.

1 17. An ink bag detachably provided in a printer, for storing ink consumed
2 by the printer therein, comprising:
3 a flexible bag body, which is deformable in accordance with the
4 consumption of ink; and
5 a non-contact type memory IC, provided on the flexible bag body so
6 as to be substantially immovable with respect to the printer, regardless of the
7 consumption of ink.

1 18. The ink bag as set forth in claim 17, wherein the memory IC is placed
2 on an outer peripheral portion of the bag body.

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1 19. The ink bag as set forth in claim 18, wherein the outer peripheral
2 portion of the bag body is formed by heat-welding outer peripheral portions of
3 flexible sheet members.

1 20. The ink bag as set forth in claim 17, wherein the memory IC is
2 provided on an outer surface of the bag body which directs downward with
3 respect to the printer.

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